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2016

M.S. in Speech Language Pathology Curriculum

Nova Southeastern University

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Master of Science in Speech-Language Pathology 2016

[Curriculum](#)

PROGRAM OF STUDY (52 CREDITS)

PROGRAM PREREQUISITE REQUIREMENTS (28 CREDITS)

Course Number	Course Title & Description
	Anatomy & Physiology of the Speech & Hearing Mechanisms (3 credits)
CSAD 3020	<p>This course is an introduction to the anatomy and physiology of the auditory and vocal mechanisms. The structure and function of the skeletal, neurological, and muscular systems involved in respiration, phonation, resonance, articulation, and audition are reviewed. The normal anatomy and functioning of these systems is contrasted with disordered or damaged systems.</p> <p>Prerequisite/s: None</p>
	Phonetics (3 credits)
CSAD 3010	<p>This class will cover the study of the history, theory and application of phonetics. Students review sampling and transcription techniques and applications to clinical practice.</p> <p>Prerequisite/s: None.</p>
	Neuroanatomy (3 credits)
CSAD 3040	<p>This course provides an introduction to the gross structure of the brain and spinal cord and functional relationship of their parts with emphasis on the auditory and vestibular peripheral and central nervous systems.</p> <p>Prerequisite/s: None</p>
	Hearing and Speech Science (3 credits)
CSAD 3050	<p>This course covers the nature of sound, sound transmission, and units of measurement necessary to understand the physiologic, acoustic, and perceptual parameters of hearing and speech production. A basic review of instrumentation and technology available and utilized in speech, hearing, and language research, intervention and assessment is provided.</p> <p>Prerequisite/s: None</p>
	Speech and Language Development (3 credits)
CSAD 3030	<p>Study of pre-linguistic and psycholinguistic variables related to normal development from infancy through adolescence; application of analytic methods of development and cultural variations in speech and language.</p>

Prerequisite/s: None

Directed Observation (1 credit)

CSAD 3060 Students must observe twenty-five clinical clock hours of evaluation and treatment by an ASHA certified and state licensed SLP as an orientation to the clinical aspect of speech-language pathology. Observation hours must be completed at university-affiliated sites and must precede clinical assignments.

Prerequisite/s: none

Evaluation of Speech and Language Disorders (3 credits)

CSAD 4010 Principles of screening and evaluation of clients typically seen in a clinic, school, hospital or nursing home settings, including administration of specific evaluation instruments are discussed for the purpose and diagnosis of speech and language disorders.

Prerequisite/s: CSAD 3010 and CSAD 3030

Treatment of Speech and Language Disorders (3 credits)

CSAD 4030 This course provides an overview of treatment strategies and professional terminology used in the management of communication disorders. There is a rudimentary focus on various intervention approaches for populations ranging from childhood to adult. Basic information is delivered on the Code of Ethics from the American Speech-Language and Hearing Association.

Prerequisite/s: CSAD 3010 and CSAD 3030

Audiology (3 credits)

CSAD 4050 This course provides information regarding the normal anatomy and physiology of the auditory and vestibular system, including neural pathways, the brainstem and auditory cortex. Instruction in test administration and interpretation of standard and specialized tests of auditory function are covered. Pathologies of the hearing and balance mechanism are discussed, with emphasis on interpretation of audiological results. Information about the evaluation and treatment of hearing disorders is provided. Adult and pediatric test procedures and outcomes are discussed, and common etiologies for different types of hearing loss are addressed for both groups, including central auditory processing disorders. Adult and pediatric audiogram and letter report interpretation will be covered.

Prerequisite/s: SLP CSAD 3020 AND CSAD 3050

Rehabilitation for the Hearing Impaired (3 credits)

CSAD 4070 Prevention and remediation of communication problems resulting from hearing impairment in populations from birth to geriatrics.

Prerequisite/s: CSAD 3030, CSAD 4030, and CSAD 4050

CORE COURSES (41 CREDITS)

**Course
Number**

Course Title & Description

Diagnosis of Language and Speech Disorders (3 credits)

SLP 6000 The course will provide procedures and techniques to assess speech and language status. The overall aim of the course is to build on the student's understanding of the assessment process in communication disorders. Students are to develop the ability to interpret assessment information and to formulate appropriate diagnosis of the patients/clients we serve. A noncredit lab is included.

Prerequisite/s: CSAD 3030, CSAD 4030, and CSAD 4050

Language and Learning Disabilities in School-age Children and Adolescents (3 credits)

SLP 6011 This course addresses the etiology, diagnosis, and treatment of language ?learning delay/disorders (including developmental and acquired disorders), affecting school-age children through adolescence. Emphasis will be placed on a communication process model of evaluation and intervention with the implications of this integrated approach to facilitate reading, writing, speaking, listening, and thinking. The importance of the functional interrelationships among linguistic, cognitive, and affective functions and the social contexts within which they occur will be stressed. A variety of assessment and treatment procedures for use with this diverse clinical population will be discussed. Presentation of the paradigm shift from a traditional deficit model to an emergent literacy model with collaborative strategies to design and conduct curriculum-based assessment and interventions will be covered.

Prerequisite/s: SLP 6012

Communication Disorders in Infancy through Preschool (3 credits)

SLP 6012 Identification, assessment, and intervention principles and procedures for young children who display or are at-risk for socio-communicative-linguistic deficits. Emphasis on family-centered early intervention service delivery and integrated intervention model for facilitating communication and language skills. Discussion of collaborative strategies and disciplinary teaming models for facilitating effective parent-professional partnerships.

Prerequisite/s: CSAD 3030

Clinical Processes (3 credits)

SLP 6015 Clinical Processes will provide a base of knowledge and fundamental skills needed for beginning supervised clinical practice. This course will review the basic aspects of delivery of treatment services for communication disorders, including communication skills, interpersonal skills, behavioral management skills, intervention strategies and processes, data management, and clinical writing skills. Emphasis will be placed on basic clinical intervention processes common to a variety of disorder areas.

Prerequisite/s: SLP 6011, SLP 6020, and SLP 6060.

Language Disorders in Adults (3 credits)

SLP 6020 This course provides a knowledge base for evaluation and treatment of disorders of language of adults including aphasia, closed-head injury, and dementia.

Prerequisite/s: CSAD 3040 and SLP 6070.

Augmentative and Alternative Communication (3 credits)

SLP 6025 This course will review the basic aspects of the field of augmentative communication, including aided and unaided symbols, strategies, and techniques. An overview of augmentative communication assessment and intervention principles and procedures will be presented. This course will address the needs of individuals with little or no functional speech across the life span, including etiologies such as severe aphasia, autism, cerebral palsy, dual sensory impairment, intellectual disability, progressive neurological diseases, and traumatic brain injury.

Prerequisite/s: SLP 6012 and SLP 6020.

Voice Disorders (3 credits)

SLP 6030 Etiological factors, and procedures for diagnosis, treatment, and interdisciplinary management of individuals with functional and/or organic voice and resonance disorders, e.g., dysphonia secondary to nodules, hypernasality secondary to cleft palate.

Prerequisite/s: CSAD 3020, CSAD 3040, CSAD 3050, CSAD 4010, CSAD 4030, and SLP 6070

Fluency Disorders (2 credits)

SLP 6040 Etiology, diagnosis, and management of children and adults with disorders of fluency, e.g., developmental stuttering, neurologically based stuttering, cluttering, and other non-fluent speech conditions will be studied.

Prerequisite/s: CSAD 4030

Motor Speech Disorders (3 credits)

SLP 6050 Education and training in the assessment and management of motor speech disorders across the lifespan. Discussion of the nature, etiology, diagnosis, and management of motor speech disorders with emphasis on differential diagnosis and treatment.

Prerequisite/s: CSAD 3020, CSAD 3040, SLP 6070, and SLP 6060

Dysphagia (3 credits)

SLP 6055 This course provides information about normal anatomy and physiology of the swallow. Using an evidence-based model, information about the evaluation and treatment of swallowing disorders is provided. Common etiologies for dysphagia (e.g. neurogenic, and head and neck cancer) are addressed for the adult population. An overview of pediatric dysphagia is provided. Current issues and controversial topics are discussed in a framework of questions students should consider. Examples of ethical questions in the management of dysphagia are presented. Students are afforded the opportunity to view fiberoptic endoscopic evaluation of swallowing (FEES). Video views of normal and abnormal swallows through video fluoroscopic evaluation are provided through a noncredit required lab.

Prerequisite/s: SLP 6050

SLP 6060 **Articulation and Phonological Disorders** (3 credits)

This course provides a knowledge base for normal and disordered speech sound development. Theories of assessment and intervention are discussed, and application, analysis and comparison is stressed for all theories and approaches presented. A variety of procedures for identification and remediation of articulatory and phonologic disorders are presented. Traditional therapeutic techniques and current diagnostic and intervention strategies are highlighted.

Prerequisite/s: CSAD 3010

Research Methods (3 credits)

SLP 6070 Exposure to critical analysis of the field's literature with respect to research design and statistical application.

Prerequisite/s: None

Seminar in Professional Issues in Speech-Language Pathology (3 credits)

SLP 6075 The purpose of this course is to increase students' awareness and understanding of current professional issues pertaining to such matters as standards of ethics, scope of practice, legislative mandates affecting the professions, professional service delivery systems, healthcare reimbursement issues, state licensure, national certification, state teacher certification requirements, State Accomplished Practices for Educators, state education standards, job opportunities and interview strategies, participation in professional organizations, professional advocacy, and HIV/AIDS awareness.

Prerequisite/s: SLP 6101.

Technological Applications in Communication Science and Disorders (0 credits)

*(required attendance at the South Florida Main Campus)

SLP 6078 This course provides an overview of technological applications used by professionals in speech-language pathology with an introduction to computer applications in the field. This course also provides the technological foundation necessary for students to complete the online master's degree.

Prerequisite/s: None

Multicultural and Counseling Issues (3 credits)

SLP 6091 This course will provide a forum for discussion regarding issues in the provision of services to multicultural populations. Counseling approaches for use with clients and/or families with communication problems through effective interpretation, information dissemination, and discussion will be explored.

Prerequisite/s: SLP 6101

Capstone (0 credits)

SLP 6200 CAPSTONE is an online course designed to assist students in reviewing major content areas in the field of speech-language pathology in preparation for the Praxis national examination. It addresses approximately 18 major topic areas covering normal and disordered processes,

professional issues, research methodologies, and other content important to the profession. Students progress through the course at their own pace, reviewing online course materials, participating in discussion boards, and contributing to synchronous chats.

Prerequisite/s: None;

Co-Requisite/s: SLP 6110 or SLP 6120 or SLP 6130. STUDENTS MUST TAKE THIS CLASS WITH THE FIRST EXTERNSHIP EXPERIENCE.

ELECTIVES (6 CREDITS) CHOOSE FROM THE LIST BELOW

Course Number	Course Title & Description
	Autism Assessment: A Communication-Based Perspective (3 credits)
SLP 6013	This course will provide information about critical issues in assessing communication and language in children and adults with autism spectrum disorders. This course will focus on implementing effective evidence-based assessment techniques in order to develop appropriate communication goals and strategies for individuals with autism spectrum disorders. Lectures, case reports, videos, webinars, and hands-on learning activities will be presented.
	Prerequisite: SLP 6000, SLP 6011, and SLP 6012
	Autism Spectrum Disorders (3 credits)
SLP 6014	This course will provide information and discussions about critical issues in teaching communication and language to children and adults with autism spectrum disorders. This course will focus on implementing effective assessment and intervention strategies as well as developing appropriate communication programs for individuals with autism spectrum disorders. Lectures, case reports, videotaped demonstrations, and hands-on learning activities will be completed.
	Prerequisite/s: SLP 6011, SLP 6025, and SLP 6070.
	Cognitive Communication Disorders (3 credits)
SLP 6021	This course provides a knowledge base for adult and pediatric acquired and developmental cognitive communication disorders. Topics include attention, memory, reasoning/problem solving, executive function, learning, processing, and language. The diagnosis and treatment of these deficits in patients at many levels of recovery will be discussed.
	Prerequisite/s: SLP 6011 and SLP 6020
	Craniofacial Anomalies (3 credits)
SLP 6037	Study of etiology, assessment, and remediation of communicative impairments in children and adults with craniofacial anomalies. Specific emphasis will be placed on articulatory and resonance disorders resulting from cleft lip and palate, and velopharyngeal insufficiency and incompetence.
	Prerequisite/s: SLP 6030
SLP 6045	Augmentative and Alternative Communication in Educational Settings (3 credits)

This course focuses on the implementation of augmentative and alternative communication (AAC) in educational settings. Learners will gain an understanding of the legal foundations of providing AAC devices and services in school settings. The course addresses strategies for AAC services that can be used to provide access to the general education curriculum for students with significant communication challenges. Language assessment and intervention strategies for AAC communicators are discussed. Issues and strategies to teach reading and writing skills are presented along with strategies for facilitating the development of social skills and friendships.

Prerequisite/s: SLP 6025.

Medical Aspects of Communication Disorders (3 credits)

SLP 6057 The emphasis of this course will be to enhance the student's understanding of the relationships between speech-language pathologists, medical disciplines and allied health disciplines. Understanding medical terminology, governing bodies of health care organizations, medical ethical dilemmas and report writing for the medical model of treatment will be a significant focus of the course.

Prerequisite/s: SLP 6015

Directed Research (1-6 credits)

SLP 6080 This course provides students with an opportunity to develop clinically relevant research skills and gain hands-on experiences with research practices. Students work collaboratively with selected faculty members to plan and conduct research projects. The scope and depth of the project varies according to the number of credits for which the course is taken. Students must secure faculty permission in advance of registering for this course.

Prerequisite/s: SLP 6070

Special Topics (1-3 credits)

SLP 6201/6202 Advanced study of selected theoretical, clinical, or professional issues in speech pathology and audiology (elective may be taken for credit, CEU, or recertification).

Prerequisite/s: None

Organization and Management of School-Based Speech-Language Pathology Programs (3 credits)

SLP 6203 This course will address the challenges facing school-based speech-language pathologists. Topics will include: legislative mandates; current issues in education and the impact of these issues on the traditional roles of school-based speech-language pathologists; organization and management of school speech-language programs; active participation on the educational team; service delivery models for diverse populations; use of technology in schools; treatment outcomes and accountability measures; marketing services in the schools and the community; creative program ideas.

Prerequisite/s: SLP 6000, SLP 6011, and SLP 6060

CLINICAL PRACTICUMS, LABS AND EXTERNSHIPS (5 CREDITS)

Course Number	Course Title & Description
	Diagnostics II Practicum (1 credit)
SLP 6005	Emphasis on analysis and interpretation of data and the impact on differential diagnosis. Lab class meetings are required. Prerequisite/s: CSAD 3060, CSAD 4070, SLP 6000, SLP 6011, SLP 6020, and SLP 6060 Clinic Lab I Practicum (1 credit) This course has dual components; students will provide treatment to assigned patients as well as attend weekly class meetings. Participation in a direct patient contact supervised clinical practicum will occur with supervised clinical practice performed in the treatment of speech, language, and hearing disorders. Development and application of appropriate treatment plans, collaborative supervisory meetings, self-analysis skills, research, and completion of written documentation is expected. Discussions on professional topics such as prevention, portfolio development, child/elder abuse neglect and case studies will be covered. Prerequisite/s: SLP 6015 Clinic Lab 2 Practicum (1 credit)
SLP 6102	In this practicum experience, students will move along the supervisory continuum working toward increased independence. Self-analysis of clinical skills and enhancement of acquired skills will be emphasized. Lab class meetings are required. Prerequisite/s: SLP 6101. Corequisite/s: SLP 6005 for JX, OR, TP, FM, cohort sites, and online students. Externship: Adult (1 credit) Adult externship requires a full time placement (based on a minimum of 32 hours/week for a 14 week semester) in an adult facility. The candidate will participate in all activities associated with an SLP position including assessment and treatment of adults. Candidates will be supervised by an SLP who is ASHA certified and state licensed, and by a University supervisor (site visitor). Prerequisite/s: SLP 6005, SLP 6102 (Choose ONE of the following pediatric externships) Externship: School (1 credit)
SLP 6110	School externship requires a full time placement (based on a minimum of 32 hours/week for an entire semester) in a school setting. Candidates will participate in all activities associated with a school-based SLP position including assessment and treatment of students in a PK-12 school setting. Candidates will be supervised by an ASHA certified, state licensed school-based SLP and by a University supervisor.
SLP 6120	Prerequisite/s: SLP 6005 and SLP 6102
SLP 6130	Externship Pediatric Non-School (1 credit)

Pediatric externship requires a full time placement (based on a minimum of 32 hours/week for a 14 week semester) in a pediatric facility. The candidate will participate in all activities associated with a SLP position including assessment and treatment of children. Candidates will be supervised by an SLP who is ASHA certified and state licensed and by a University supervisor (site visitor).

Prerequisite/s: SLP 6005 and SLP 6102

Approved Program School Externship (1 credit)

SLP 6140 School externship requires a full time placement (minimum of 32 hours/week for a 14 week semester) in a school setting with which NSU has a current legal affiliation. The school externship must be taken by candidates seeking Department of Education certification in speech-language pathology (SLP). Candidates will participate in all activities associated with a school-based SLP position including assessment and treatment of students in a PK-12 school setting. Candidates will be supervised by school-based clinical faculty (SLP) who are ASHA certified and state licensed and by a University supervisor (site visitor).

Prerequisite/s: SLP 6005 and SLP 6102

Total Credits for Degree Completion 52